

RTO WEST "STAGE ONE" PRICING SUMMARY
Illustration of Company Rate Access Charges
Shown at Time of Formation

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2			Transmission Revenue Requirement										
3				BPA	Idaho	Montana	PacifiCorp	PGE	Puget	Sierra	Nevada	Avista	RTO West
4			Gross Rev Req (Dat1, L24)	553,705,000	56,238,385	74,387,015	255,615,771	29,934,175	33,210,449	43,749,666	67,501,741	37,599,951	1,151,942,154
5													
6													
7			Long Term Adjustments										
8			External Revenue Credit (Dat2,L10)	-17,950,000	-700,000	-5,276,000	-11,838,783	0	0	-567,000	-21,300	-1,961,639	-38,314,722
9													
10			Merchant Rev Credit LT (Dat2,L23)	-108,126,000	-1,200,000	-3,835,000	-50,811,300	-3,800,000	0	0	0	0	-167,772,300
11													
12			Transmission Service Payments between RTO West Filing Utilities										
13				BPA	Idaho	Montana	PacifiCorp	PGE	Puget	Sierra	Nevada	Avista	RTO West
14			Paid (Dat3, Lin 19)	24,611,000	2,057,000	4,650,000	48,920,000	31,620,000	37,301,000	325,000	0	9,719,000	159,203,000
15													
16			Received (Dat3, Col M)	-122,050,000	-13,501,000	-2,800,000	-4,065,000	-3,381,000	-2,019,000	-4,950,000	0	-6,437,000	-159,203,000
17													
18			Net LT Adjustments										
19				-223,515,000	-13,344,000	-7,261,000	-17,795,083	24,439,000	35,282,000	-5,192,000	-21,300	1,320,361	-206,087,022
20													
21													
22													
23			Short Term Adjustments										
24			NWPP Revenue Credit (Dat2,L18)	-22,636,000	-100,000	-1,434,000	-1,635,434	-12,000	-1,322,000	-16,100	-11,200	-283,898	-27,450,632
25													
26			Lost Revenue Credit (Dat2,L29)	-2,735,000	-100,000	-4,676,714	-1,470,972	-440,000	-116,000	-222,000	-100,000	-69,093	-9,929,779
27													
28			Merchant Rev Credit ST (Dat2,L25)	-19,625,000	-10,800,000	-3,400,000	-55,898	-34,000	-1,171,000	-3,675,800	-940,200	-940,000	-40,641,898
29													
30			Transmission Service Payments between RTO West Filing Utilities										
31				BPA	Idaho	Montana	PacifiCorp	PGE	Puget	Sierra	Nevada	Avista	RTO West
32			Paid (Dat3, Lin 35)	168,500	6,157,000	1,215,700	4,407,000	54,140	909,500	1,105,000	0	1,953,650	15,970,490
33													
34			Received (Dat3, Col M)	-3,016,200	-1,337,500	-1,137,000	-4,890,190	-1,284,000	-641,600	-606,000	-170,000	-2,888,000	-15,970,490
35													
36			Net ST Adjustments										
37				-47,843,700	-6,180,500	-9,432,014	-3,645,494	-1,715,860	-2,341,100	-3,414,900	-1,221,400	-2,227,341	-78,022,309
38													
39													
40			Pre RTO West Company Load Costs										
41			Company Load Net Cost	282,346,300	36,713,885	57,694,001	234,175,194	52,657,315	66,151,349	35,142,766	66,259,041	36,692,971	867,832,823
42													
43			Illustrative Pricing Model Example: The data on these spreadsheets are provided to illustrate how components of the Stage 1										
44			RTO West pricing model operate in relationship to one another. They are for illustrative purposes only and cannot be relied upon										
45			to predict actual RTO West company rates or any of the individual components on which company rates will be based.										
46													

RTO WEST "STAGE ONE" PRICING SUMMARY
Illustration of Company Rate Access Charges
Shown at Time of Formation

	A	B	C	D	E	F	G	H	I	J	K	L	M
47	RTO West Effects:												
48		BPA	Idaho	Montana	PacifiCorp	PGE	Puget	Sierra	Nevada	Avista	RTO West		
49	Operating Cost Allocation (Calc 1,L15)												
50	Shared Costs (Calc1,L15)	25,605,441	4,479,086	2,577,439	14,631,680	6,390,555	6,808,996	2,887,832	7,844,294	3,492,901	74,718,224		
51	Lost Revenue Allocation (Calc 1,L21)												
52	Allocated Net Lost Revenue	869,776	152,147	87,551	497,015	217,077	231,291	98,095	266,458	118,648	2,538,059		
53	Short Term Transfer Payments Offset By FTR/RTR Revenue (Calc 3, Col M)												
54	Credit	-17,856	-4,683,340	-421,578	-738,106	-20,192	-385,699	-479,388	0	-1,283,710	-8,029,870		
55	FTR Auction Revenues Retained by Transmission Owner (Calc 2,L36)												
56	FTR Revenue	0	0	0	0	-303,667	0	0	-259,885	0	-563,552		
57	Post RTO West Company Load Charges												
58	Company Load Charges	308,803,661	36,661,778	59,937,413	248,565,783	58,941,088	72,805,937	37,649,305	74,109,908	39,020,810	936,495,684		
59	* For Comparison - Pre RTO West Company Load Costs (RTOW Summary Line 41)												
60	Company Load Net Cost	282,346,300	36,713,885	57,694,001	234,175,194	52,657,315	66,151,349	35,142,766	66,259,041	36,692,971	867,832,823		
61											Increase	68,662,861	
62	Company Load												
63	Load that pays Co Rates	BPA	Idaho	Montana	PacifiCorp	PGE	Puget	Sierra	Nevada	Avista	Total		
64	Demand (MW) (12 CP)	13,034	2,280	1,312	7,448	3,253	3,466	1,470	3,993	1,778	38,034		
65	Post RTO West Company Rates \$/ kwyr												
66	Example Rate for Company Load	\$ 28.69	\$ 16.08	\$ 45.68	\$ 33.37	\$ 18.12	\$ 21.01	\$ 25.61	\$ 18.56	\$ 21.95	\$ 24.62		
67	* For Comparison - Pre RTO West Company Rates (Recalculated Without RTO West Costs or Effects) \$/ kwyr												
68	Example Rate for Company Load	\$ 21.66	\$ 16.10	\$ 43.97	\$ 31.44	\$ 16.19	\$ 19.09	\$ 23.91	\$ 16.59	\$ 20.64	\$ 22.82		
69	Notes: BPA expects to use multiple billing determinants and produce multiple company rates, these will be on a separate page.											Increase	\$ 1.81
70	Check:	Net Rev Req	867,832,823	Company Load Charge	936,495,684								
71		RTO West Op Cost	75,000,000	FTR/RTR Revenue	36,810,000								
72		Lost Rev	9,929,779	Total	973,305,684								
73		Out to NWPP	9,604,047										
74		Out to Merch	10,939,035										
75		Total	973,305,684										
76	*Please see accompanying RTO West Pricing Summary dated June 19, 2001 explaining why the data from which these example company rates were derived are illustrative only and not indicative of what actual RTO West company rates are likely to be, and also why company rates cannot meaningfully be evaluated by comparisons to current FERC Open Access Transmission Tariff rates.												
77	Illustrative Pricing Model Example: The data on these spreadsheets are provided to illustrate how components of the Stage 1 RTO West pricing model operate in relationship to one another. They are for illustrative purposes only and cannot be relied upon to predict actual RTO West company rates or any of the individual components on which company rates will be based.												

Data Input Sheet 1 **RTO West Transmission Revenue Requirements**

Total Pre-RTO Transmission Plant

272,299,134

	FY 2002/2003	1999	1999	1999	2002	1999	1999	1999	1999	1999	
	BPA	Idaho Power	Montana	PacifiCorp	Portland	Puget	Sierra Pacific	Nevada	Avista	Total	
TRANSMISSION RATE BASE											
1 Trans Plant - RTO West Fa	4,227,801,000	386,037,967	401,955,458	2,076,366,766	90,968,007	261,480,000	370,365,567	507,994,812	272,299,134	8,595,268,711	
2 Trans Depreciation	(1,910,843,000)	(156,215,721)	(111,489,803)	(682,769,447)	-	(73,396,000)	(99,711,959)	(84,844,540)	(90,427,832)	(3,209,698,302)	
3 ADIT Allocated to Trans	-	(38,102,342)	(39,951,623)	(156,248,795)	-	(21,596,000)	(41,285,936)	(32,478,466)	(26,076,809)	(355,739,971)	
4 Acc. Def. ITC/CIAC	-	-	0	(6,575,776)	-	-	-	-	-	(6,575,776)	
5 General & Common Plant	1,015,507,000	17,729,803	11,426,333	-	-	11,481,000	10,771,327	16,201,017	3,998,272	1,087,114,752	
6 Intangible Plant	-	3,066,481	192,363	-	-	1,240,000	440,443	2,040,596	583,030	7,562,913	
7 Gen/Com Plt Depr/Amort	(461,009,000)	(4,849,922)	(3,601,642)	-	-	(4,519,000)	(5,367,321)	(3,572,070)	(1,898,098)	(484,817,053)	
7a Gen Plt Contributed Capit.	(5,786,000)	-	(48,925)	-	-	-	-	-	-	(5,834,925)	
7b Intang Plant Depr/Amort	-	-	(619,768)	-	-	-	-	-	-	(619,768)	
8 ADIT Alloc to Gen & Intan	-	(2,052,614)	(1,808,687)	-	-	(613,000)	(543,739)	(1,095,645)	(513,834)	(6,627,519)	
8a Accum Provision Insurance	-	-	-	(599,695)	-	-	-	-	-	(599,695)	
9 Trans Materials & Supplie	58,828,781	3,203,268	3,335,500	5,025,617	131,000	181,000	-	-	250,000	70,955,166	
9a Prepayments/Reg Assets	-	-	-	1,105,584	(17)	-	-	-	-	1,105,567	
10 Trans Cash Working Capita	31,703,063	2,097,820	1,957,735	2,778,338	1,010	2,694,000	1,036,597	1,755,272	1,100,201	45,124,036	
11 Transmission Rate Base	2,956,201,844	210,914,740	261,346,942	1,239,082,592	91,100,000	176,952,000	235,704,979	406,000,976	159,314,064	5,736,618,137	
RETURN											
12 Overall Return	0.0573	0.096	0.0918	0.09000	0.097	0.0900	0.0983	0.0928	0.0896		
14 Composit Income Tax	-	0.037	0.0389	0.04980	0.040	0.0319	0.0343	0.0271	0.0246		
15 Return	169,247,000	28,104,389	34,162,794	173,223,746	12,503,475	16,450,449	23,992,751	38,726,375	18,185,701	514,596,680	
EXPENSES											
16 O&M Expense: Transmission	138,568,000	13,197,761	21,156,317	83,874,274	6,095,000	20,320,000	5,058,556	7,798,755	15,756,622	311,825,285	
17 Less: Accounts 565/567	-	(2,759,042)	(11,975,529)	(71,336,469)	(1,470,300)	(16,294,000)	(807,359)	(1,255,555)	(11,050,284)	(116,948,538)	
18 O&M Expense: A&G	115,056,500	6,343,838	6,481,096	8,523,602	3,764,000	2,186,000	4,041,583	7,498,977	4,095,274	157,990,870	
19 Deprec Exp: Transmission	113,951,000	8,636,717	11,456,008	51,454,004	4,299,000	7,007,000	8,608,994	10,864,322	6,447,529	222,724,574	
20 Deprec Exp: Gen & Com Pl.	66,256,500	629,730	472,140	-	1,316,000	561,000	344,372	508,430	125,423	70,213,595	
20a Amort Exp: Intangible Pl.	-	-	179,218	1,731,974	719,000	151,000	-	-	-	2,781,192	
21 Taxes Other than Income:	-	2,554,851	11,883,719	13,209,719	2,530,000	2,829,000	3,236,017	3,798,384	4,039,686	44,081,376	
22 Amort of ITC/Other	-	(450,510)	534,852	(1,104,269)	178,000	-	(725,248)	(437,947)	-	(2,005,122)	
23 Transmission Expense	433,832,000	28,153,345	40,187,821	86,352,834	17,430,700	16,760,000	19,756,915	28,775,366	19,414,250	690,663,232	
23a Facility Related Rev Cred	(49,374,000)	(19,349)	-	(5,597,917)	-	-	-	-	-	(54,991,266)	
23b Facility Related Payments	-	-	36,400	1,637,108	-	-	-	-	-	1,673,508	
24 Gross Revenue Req	\$ 553,705,000	\$ 56,238,385	\$ 74,387,015	\$ 255,615,771	\$ 29,934,175	\$ 33,210,449	43,749,666	67,501,741	\$ 37,599,951	\$ 1,151,942,155	

Illustrative Pricing Model Example: The data on these spreadsheets are provided to illustrate how components of the Stage 1 RTO West pricing model operate in relationship to one another. They are for illustrative purposes only and cannot be relied upon to predict actual RTO West company rates or any of the individual components on which company rates will be based.

23b Account 565/567 money paid for something that provides transmission for sale. Typically O&M payment. Does not include merchant payment for transmission service
Must be paid to an "external" party.

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Data Input Sheet 2												
2	Wheeling Service Revenue Credits												
3													
4													
5	Revenue from Long Term External Contracts - Note 1												
6		BPA	Idaho	Montana	PacifiCorp	PGE	Puget	Sierra	Nevada	Avista	Total		
7	Received From:												
8	Party											0	
9	Party												
10	Subtotal	17,950,000	700,000	5,276,000	11,838,783	0	0	567,000	21,300	1,961,639	38,314,722		
11													
12													
13	Revenue from Short Term NWPP Wheeling - Note 2												
14		BPA	Idaho	Montana	PacifiCorp	PGE	Puget	Sierra	Nevada	Avista	Total		
15	Received From:												
16	Party											0	
17	Party												
18	Subtotal	22,636,000	100,000	1,434,000	1,635,434	12,000	1,322,000	16,100	11,200	283,898	27,450,632		
19													
20													
21													
22	Merchant Payments - Note 3												
23	Long Term	108,126,000	1,200,000	3,835,000	50,811,300	3,800,000	0	0	0	0	167,772,300		
24													
25	Short Term	19,625,000	10,800,000	3,400,000	55,898	34,000	1,171,000	3,675,800	940,200	940,000	40,641,898		
26													
27													
28	Lost Revenues												
29	ST Lost Rev	2,735,000	100,000	4,676,714	1,470,972	440,000	116,000	222,000	100,000	69,093	9,929,779		
30													
31													
32	FTR/RTR Revenues												
33	FTR	11,656,752	1,446,238	1,425,770	5,117,830	1,483,667	1,049,737	970,641	1,074,152	315,213	24,540,000		
34													
35	RTR/NTR	5,828,376	723,120	712,885	2,558,915	741,833	524,868	485,320	537,076	157,607	12,270,000		
36													
37	Total FTR, RTR, NTR Rev	17,485,128	2,169,358	2,138,655	7,676,745	2,225,500	1,574,605	1,455,961	1,611,228	472,820	36,810,000		
38													
39	Notes:												
40	1.	Revenue paid by party who is not a filing utility whether contract is converted or not. Does not include converted load service.											
41	2.	Revenue paid by party who is not a filing utility, but is a NWPP member. Post RTO payment will either be in the form of transfer payment or access charge.											
42	3.	Payments made to utility by own or affiliated merchant function. Do not double count if serving load that pays Company Rate.											
43													
44	Illustrative Pricing Model Example: The data on these spreadsheets are provided to illustrate how components of the Stage 1												
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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Data Input Sheet 3 Wheeling Between RTO West Filing Utilities (Transfer Payments)												
2													
3													
4													
5													
6	Revenue from RTO West Parties for Long Term Wheeling (\$)												
7	Payment Made By :	BPA	Idaho	Montana	PacifiCorp	PGE	Puget	Sierra	Nevada	Avista	Total		
8	Payment Received By :												
9	BPA		1,800,000	4,650,000	39,775,000	31,600,000	37,300,000	225,000	0	6,700,000	122,050,000		
10	Idaho Power	4,600,000	0	8,800,000	0	1,000	100,000	0	0	0	13,501,000		
11	Montana	2,600,000	200,000	0	0	0	0	0	0	0	2,800,000		
12	PacifiCorp	4,000,000	45,000	0	20,000	0	0	0	0	0	4,065,000		
13	P. G. E.	311,000	0	0	70,000	0	0	0	0	3,000,000	3,381,000		
14	Puget	2,000,000	0	0	0	0	0	0	0	19,000	2,019,000		
15	Sierra	4,950,000	0	0	0	0	0	0	0	0	4,950,000		
16	Nevada	0	0	0	0	0	0	0	0	0	0		
17	Avista	6,150,000	12,000	0	275,000	0	0	0	0	0	6,437,000		
18													
19	Subtotal	24,611,000	2,057,000	4,650,000	48,920,000	31,620,000	37,301,000	325,000	0	9,719,000	159,203,000		
20											159,203,000		
21													
22	Revenue from RTO West Parties for Short Term Wheeling (\$)												
23	Payment Made By :	BPA	Idaho	Montana	PacifiCorp	PGE	Puget	Sierra	Nevada	Avista	Total		
24	Payment Received By :												
25	BPA		450,000	1,700	1,126,000	50,000	500,000	138,500	0	750,000	3,016,200		
26	Idaho Power	18,500	0	700,000	0	2,500	500,000	616,500	0	0	1,337,500		
27	Montana	0	100,000	795,000	0	80,000	0	0	0	162,000	1,137,000		
28	PacifiCorp	0	4,400,000	130,000	4,140	0	350,000	0	0	6,050	4,890,190		
29	P. G. E.	0	13,000	0	28,000	0	211,000	0	0	1,032,000	1,284,000		
30	Puget	0	115,000	523,000	0	0	0	0	0	3,600	641,600		
31	Sierra	0	606,000	0	0	0	0	0	0	0	606,000		
32	Nevada	0	112,000	0	58,000	0	0	0	0	0	170,000		
33	Avista	150,000	361,000	561,000	1,700,000	0	116,000	0	0	0	2,888,000		
34													
35	Subtotal	168,500	6,157,000	1,215,700	4,407,000	54,140	909,500	1,105,000	0	1,953,650	15,970,490		
36											15,970,490		
37													
38													
39													
40													
41													
42													
43	Illustrative Pricing Model Example: The data on these spreadsheets are provided to illustrate how components of the Stage 1 RTO West pricing model operate in relationship to one another. They are for illustrative purposes only and cannot be relied upon to predict actual RTO West company rates or any of the individual components on which company rates will be based.												
44													
45													

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Data Input Sheet 4 Loads and Billing Determinants												
2													
3													
4													
5													
6													
7													
8	This load page needs to be replaced with a table that shows which loads are paying what Company Rates.												
9													
10													
11	Company Billing Determinants												
12			BPA	Idaho	Montana	Pacificorp	PGE	Puget	Sierra	Nevada	Avista	Total	
13			Contract Demand 8024 MW										
14		*	12CP (load based) 5010 MW	12cp 2280 MW	1312 MW	7448 MW	12cp 3253 MW	12cp 3466 MW					0
15	* Load expected to be served by company rate. Some data not yet submitted - blanks do not equal zero.												
16			Test Determinants	13,034	2,280	1,312	7,448	3,253	3,466	1,470	3,993	1,778	38,034
17													
18													
19													
20													
21													
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23													
24													

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Calculation Sheet 1												
2	Shared Cost (Uplift) Allocation												
3													
4	WARNING - This is one possible allocation method, others will be considered.												
5													
6													
7													
8													
9		BPA	Idaho	Montana	PacifiCorp	PGE	Puget	Sierra	Nevada	Avista	Total		
10													
11	RTO West Operating Cost												75,000,000
12	RTR Credit (Calculation 2 Line 37 Col M)												(281,776)
13	Net RTO West Cost												74,718,224
14	Allocation factors	13,034	2,280	1,312	7,448	3,253	3,466	1,470	3,993	1,778		38,034	
15	Allocated Cost	25,605,441	4,479,086	2,577,439	14,631,680	6,390,555	6,808,996	2,867,832	7,844,294	3,492,901		74,718,224	
16													
17													
18	Lost Revenue												
19	Lost Revenue Total											2,538,059	
20	Allocation factors	13,034	2,280	1,312	7,448	3,253	3,466	1,470	3,993	1,778		38,034	
21	Allocated Cost	869,776	152,147	87,551	497,015	217,077	231,291	98,095	266,458	118,648		2,538,059	
22													
23													
24	Placeholder for Other Uplift - e.g. Residual Congestion												
25	Residual Congestion Amount												
26	Allocation factors	0	0	0	0	0	0	0	0	0		0	
27	Allocated Cost	0	0	0	0	0	0	0	0	0		0	
28													
29													
30													
31	Possible Allocation Formulas												
32													
33	Load	12 CP	13034	2280	1312	7448	3253	3466	1470	3993	1778	38,034	
34													
35													
36	Illustrative Pricing Model Example: The data on these spreadsheets are provided to illustrate how components of the Stage 1												
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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Calculation Sheet 3												
2	Calculation of FTR/RTR Credits to ST Transfer Payments												
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7	Short Term Wheeling Entitlement, Pre RTO - Transpose of Data Input Sheet 3 Table												
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22	Rev Credit from FTR/RTR/NTR Sales (Calc 2, L 32)												
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26	Revenue Credit Allocated to Paying Parties - Reduction in Transfer Payments												
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